TOP SECRET

29 April 13 027 Ou T 65839

TOPSECRET 292155Z AUG 68 CITE 25X1 PRIORITY 25X1 CORONA 25X1 THIS OFFICE, BEING THE COMPONENT INTERPAETABILITY OF THE FILM. RESPONSIBLE FOR ISSUING THE EVALUATION CABLE (REF) THEREFORE DEEMS IT APPROPRIATE TO FURTHER EXPOUND ON THE POSSIBLE CONSEQUENCES DISTRIBUTION MISINTERPRETATING THE SIGNIFICANCE OF THE COLOR RENDITION. OFFICE 2. FOLLOWING ARE SEVERAL POINTS WORTH OF CONSIDERATION: FILE A. THE CORONA STATIC-INDUCED FOG CAUSES A GENERAL RED CAS CAPLE SEC. OV VARYING SATURATION IN THE AFFECTED AREAS. THE CORONA DIS-CHARGE IS EITHER LOW INTENSITY BLUE LIGHT OR AN ENERGY ONLY AF-PP&B/RD SECUR. FECTING THE CYAN LAYER OF THE EMULSION, AND THEREFORE IS IMAGED AS RED. THAT RED IS NOT ASSOCIATED WITH INFRARED ENERGY. TSSG /TAD B. THE CORONA-INDUCED FOG IS ADDITIVE TO THE IMAGE. THEREFORE IMAGE SATURATION MAY BE EXAGGERATED AND OTHER COLORS CONTAMINATERS OF C. IN ADDITION TO THE CORONA FOG ASSOCIATED PROBLEMS, THERE BRD REPRO ARE COLOR RENDITION ANOMALIES CHARACTERISTIC OF THE CAMERA SYSTEM. BECAUSE THIS IS A PANORAMIC SYSTEM, THE RELATIONSHIP OF THE PRINCIPAL RAY (LOOK ANGLE) TO THE SOLAR POSITION VARIES AID IEG /OC PROD ACROSS THE FORMAT. EXPOSURE AND COLOR BALANCE THEREFORE, ALSO SCIEN VARY IN ASSOCIATION WITH SCAN ANGLE. AN ADDITIONAL EXPOSURE/ COLOR BALANCE VARIATION CAN BE EXPECTED FROM FRAME TO FRAME AS WEST EAST THE SOLAR ELEVATION CHANGES WITH RESPECT TO VEHICLE POSITION. D. FINALLY, THERE ARE CERTAIN INHERENT CHARACTERISTICS OF SO-180 FILM THAT NEED TO BE CONSIDERED. FOR INSTANCE, HEALTHY M&S PGM VIGOROUS VEGETATION WILL BE IMAGED DIFFERENTLY DEPENDING ON ITS IAS DIA-XX4 COLOR AND ITS INFRARED REFLECTING CHARACTERISTICS. A BALSAM POPLAR, FOR INSTANCE REFLECTS APPROXIMATELY 72 PERCENT OF THE 988 MILLIMICRON WAVE LENGTH ENERGY INCIDENT UPON II, WHILE A SPAD DIA-AP YELLOW BIRCH REFLECTS ONLY ABOUT 45 PERCENT OF THE SAME WAVE 25X1 25X1 LENGTH ENERGY. 25X1

END OF MESSAGE

THE CARE WITH WHICH THIS PRODUCT SHOULD BE EXPLOITED.

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THE FOREGOING NOTES SHOULD NOT BE COMSTRUED AS A CON-

DEMNATION OF THE PRODUCT. THE POINTS ARE MADE ONLY TO INDICATE

25X1

ABVANCE CY SANITIZED

WITH TEXT